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- ** USE FOR PROJECTS ON TRIBAL LAND **
** WITH ONE OR MORE ACRES OF DISTURBED AREA. **
- ** EDIT EROSION CONTROL CERTIFICATION REQUIREMENTS IN
 SUBSECTION 104.09(D)(2) ON PAGES 8 & 9. **
- * ADD 7 CALENDAR DAYS TO CONTRACT TIME *
* TO ALLOW FOR EPA REVIEW PERIOD. *
- *** FOR "QUICKSTART" JOBS, EDIT "QUICKSTART" SPECIFICATIONS IF
 NECESSARY TO ALLOW FOR EROSION COORDINATOR
 AND SWPPP APPROVAL TIMES. ***
- *** NOTIFY DISTRICT OF REQUIREMENTS FOR ENDANGERED SPECIES
 AND WATER POLLUTANT DATA (PARAGRAPHS 3 & 4 OF 104.09(B)). ***
- ** ADD BID ITEM FOR FORCE ACCOUNT EROSION ITEMS IF APPROPRIATE. **

(104SWEPA, 6/17/05)

SECTION 104 - SCOPE OF WORK:

104.09 Prevention of Landscape Defacement; Protection of Streams, Lakes and Reservoirs: of the Standard Specifications is revised to read:

(A) General:

The contractor shall give attention to the effect of the contractor's operations upon the landscape, and shall take care to maintain natural surroundings undamaged.

The contractor shall be responsible to implement the requirements of the National Pollutant Discharge Elimination System (NPDES) for erosion control due to storm water runoff during construction, as specified under the Environmental Protection Agency (EPA) General Permit for tribal lands in Arizona, effective July 1, 2003. That document is hereinafter referred to as the NPDES general permit.

Useful information related to stormwater controls and erosion control measures is available in ADOT's "Erosion and Pollution Control Manual," available from Engineering Records, 1655 West Jackson, Room 112F, Phoenix, AZ 85007; Phone (602) 712-7498.

The work shall include providing, installing, maintaining, removing and disposing of erosion control measures such as gravel filter berms, dikes, catch basin inlet protection, end-of-pipe filtering devices, silt fences, dams, sediment basins, earth berms, netting, geotextile fabrics, slope drains, seeding, stream stabilization, and other erosion control devices or methods. Erosion control measures may be temporary or permanent. The contractor shall also be responsible for the preparation and processing of all documents required in the NPDES general permit.

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The plans will include preliminary erosion control measures and additional information to be included in the project's Storm Water Pollution Prevention Plan (SWPPP), as specified in Subsection 104.09(B). The contractor, with input from the Engineer, shall finalize the SWPPP, file a Notice of Intent (NOI), implement the SWPPP, and file a Notice of Termination (NOT), all as described herein.

Except for the NOI, all signatures required of the contractor by the NPDES general permit, including those required for the NOT, SWPPP, and inspection reports, shall be provided by a duly authorized representative of the contractor, as defined in Appendix G, Section 11.B of said permit. Signature of the NOI shall be by a responsible corporate officer, as defined in Appendix G, Section 11.A of the NPDES general permit.

No clearing, grubbing, earthwork, or other work elements affected by the erosion control requirements in the SWPPP shall be started until the SWPPP has been approved, the NOI's completed and filed in accordance with Subsection 104.09(C), including the specified review time, and the SWPPP implemented.

The contractor shall obtain a copy of the NPDES general permit, and include it with the SWPPP.

Submission of the contractor's NOI shall certify that the contractor and its subcontractors have read and will comply with all provisions of the NPDES general permit.

(B) Stormwater Pollution Prevention Plan (SWPPP):

The plans will include descriptions of temporary and permanent erosion control measures, a project description, preliminary site map, inspection schedule, and site-specific diagrams indicating proposed locations where erosion and sediment control devices or pollution control measures may be required during successive construction stages. The plans may also include an initial schedule detailing the proposed sequence of construction and related erosion control measures.

The contractor shall review the preliminary information, including the erosion control features and phasing, and evaluate all SWPPP requirements for adequacy in addressing pollution prevention during construction, and prepare a draft SWPPP for review by the Engineer.

*** **INSERT ANY REQUIREMENTS RELATED TO ENDANGERED SPECIES OR** ***
*** **TOTAL MAXIMUM DAILY LOADS FOR IMPACTED WATERWAYS HERE;** ***
*** **OTHERWISE INSERT THE FOLLOWING TWO PARAGRAPHS:** ***

The Department has reviewed the applicable EPA website for Region 9, and contacted the regional TMDL team leader for any information concerning an EPA-established or approved Total Maximum Daily Load (TMDL) for waters in the area of this project. Based on the

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review, the Department has determined that no waters located near this project have an EPA-established or approved Total Maximum Daily Load (TMDL). The contractor shall include the Department's information in the draft SWPPP. The contractor may accept this information or make its own assessment of potential TMDL impacts for the project and provide the required information in the draft SWPPP. Should the contractor conduct its own assessment and discover facts that indicate the Department's information may be erroneous, the contractor shall notify the Engineer as soon as possible. Should no assessment from the contractor be provided in the SWPPP, the contractor's signature on the NOI and the finalized SWPPP shall certify that it supports the Department's information regarding TMDLs for the project.

The Department has determined that no Endangered Species will be impacted by this project. The Engineer will provide the contractor with documentation regarding Endangered Species at the time of approval of the contractor's erosion control coordinator. The contractor shall review the information and include the documentation with the draft SWPPP. The contractor may accept this information or make its own assessment of potential impacts on Endangered Species for the project and provide the required information in the draft SWPPP. Should the contractor conduct its own assessment and discover facts that indicate the Department's information may be erroneous, the contractor shall notify the Engineer as soon as possible. Should no assessment from the contractor be provided in the SWPPP, the contractor's signature on the NOI and the finalized SWPPP shall certify that it supports the information regarding Endangered Species for the project.

The contractor shall designate an erosion control coordinator, in accordance with Subsection 104.09(D), to be responsible for finalization and implementation of the SWPPP, as well as all other applicable requirements of the NPDES general permit. The contractor's erosion control coordinator shall be approved as specified in Subsection 104.09(D) before the draft SWPPP can be finalized and submitted to the Engineer. After approval, the contractor shall designate the erosion control coordinator as an authorized representative of the contractor in accordance with Appendix G, Section 11.B of the NPDES General Permit.

The draft SWPPP shall include all information and permit requirements specified in the NPDES general permit, including a general location map and finalized site map; identification of receiving waters and wetlands within one mile of the project; a list of potential pollutant sources; inspection schedule; any onsite or off-site material storage sites; additional or modified stormwater, erosion, and sediment controls; procedures for maintaining temporary and permanent erosion control measures; and a list of the contractor's "good housekeeping practices." The draft SWPPP shall also be consistent with applicable federal, tribal, state, or local programs. The contractor shall coordinate with the Engineer on all such additional information.

The draft SWPPP shall also indicate whether there is a potential to discharge into a municipal separate storm sewer system (MS4), and identify the body of water into which the MS4 storm sewer discharges. The name of the owner/operator of the system shall also be shown.

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Unless otherwise approved by the Engineer, the contractor shall not expose a surface area of greater than 750,000 square feet to erosion through clearing and grubbing, or excavation and filling operations within the project limits until temporary or permanent erosion control devices for that portion of the project have been installed and accepted by the Engineer.

As an example, installation of temporary silt fence concurrently with construction of an embankment area, along the toe of slope, may be appropriate to meet the above requirement until permanent erosion control measures are constructed.

The contractor shall indicate each 750,000 square-foot sub-area in the draft SWPPP, along with proposed erosion control measures for each sub-area. The draft SWPPP shall also include the sequence of construction for each sub-area, and installation of the required temporary or permanent erosion control measures.

The contractor shall give installation of permanent erosion control measures priority over reliance on temporary measures. Permanent erosion control measures and drainage structures shall be installed as soon as possible in the construction sequencing of the project, preferably concurrent with construction of the related sub-area or drainage device. However, except as specified in Part 3, Section 3.13 D of the NPDES general permit and approved by the Engineer, erosion control measures shall be installed no later than 14 calendar days after construction activity has temporarily or permanently ceased for the affected sub-area.

Temporary or permanent sedimentation basins may be required for reducing or eliminating sediment from stormwater runoff. When required, such basins shall be completed before any clearing and grubbing of the site is initiated. The contractor shall evaluate the need and attainability of installing sediment basins as described in the NPDES general permit and, if approved by the Engineer, include the basins into the SWPPP as appropriate. When sedimentation basins are determined to be necessary and feasible, such work will be paid in accordance with Subsection 109.04. The plans may also include sediment basins as part of the preliminary information. No additional payment will be made for such basins, the cost being considered as included in contract items.

The draft SWPPP shall also identify and address erosion control at on-site fueling operations, waste piles, material storage sites, and off-site dedicated asphalt and concrete plants, contractor-use areas, storage areas, and support activity locations which are used solely for the project and are covered by the NPDES general permit. The draft SWPPP shall also accommodate all requirements for the contractor's "good housekeeping" procedures specified in Subsection 104.09(E). In addition, the SWPPP shall specifically identify the erosion control measures proposed by the contractor during any vegetation removal and salvaging phases of the project (such as during timber harvesting or native plant salvaging).

The draft SWPPP shall specify the mechanism whereby revisions may be proposed by the contractor or the Engineer throughout the project and incorporated into the plan, including review and approval procedure. The Engineer and contractor shall jointly approve and sign

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each revision to the SWPPP before implementation. Any subsequent submittals required by the contractor to revise or update the SWPPP will require at least 48 hours for review.

Contractors and subcontractors responsible for implementing all or portions of the SWPPP shall be listed in the draft SWPPP, along with the measures for which they are responsible. The SWPPP shall also list the names of the construction personnel with day-to-day operational control of those activities necessary to ensure compliance with the SWPPP or other conditions of the NPDES general permit.

The contractor shall submit two copies of the draft SWPPP, including all information specified herein, to the Engineer at the preconstruction conference if possible, but not later than 14 calendar days from the Department's approval of the contractor's Erosion Control Coordinator.

The Engineer will provide the contractor with the following forms at the preconstruction conference:

- Maintenance, inspection, and site-monitoring report forms;
- Other record keeping forms and procedures, as needed; and
- Notice of Intent (NOI) and Notice of Termination (NOT) forms.

Notice of Intent and Notice of Termination blank forms are also available on the internet at http://cfpub.epa.gov/npdes/doctype.cfm?sort=name&program_id=45&document_type_id=8.

Within 10 calendar days from the SWPPP submittal, the Engineer and contractor will jointly review the contractor's draft SWPPP, and include any additional revisions directed by the Engineer. The finalized SWPPP shall meet the terms and conditions of the NPDES general permit, and be compatible with construction sequencing and maintenance of traffic plans.

When agreement has been reached, the Engineer and contractor's authorized representative will sign the finalized SWPPP. The Engineer's signature will constitute approval of the SWPPP. Upon approval of the SWPPP, the Engineer and the contractor shall each file a Notice of Intent (NOI) as specified in Subsection 104.09(C). At this time the Engineer will also provide a copy of the Department's NOI to the contractor.

After the time period specified in Subsection 104.09(C), the contractor shall implement the requirements of the SWPPP. No clearing, grubbing, earthwork, or other work elements affected by the erosion control requirements in the SWPPP, shall be started until the SWPPP has been approved, the NOI's completed and filed in accordance with Subsection 104.09(C), including the specified review time, and the SWPPP implemented.

The contractor shall maintain all related erosion control elements in proper working order throughout the project. Work under this section also includes inspections, record-keeping, and implementation of "good housekeeping" practices, all as described herein.

The approved SWPPP shall be updated whenever a change in design, construction method, operation, maintenance procedure, or other activity may cause a significant effect on the

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discharge of pollutants to surface waters, or when a change is proposed to the personnel responsible for implementing any portion of the SWPPP. The SWPPP shall also be amended if inspections indicate that the SWPPP is ineffective in eliminating or significantly reducing pollutants in the discharges from the construction site. All necessary modifications to the SWPPP shall be made within seven calendar days following the inspection that revealed the deficiency.

The contractor's erosion control coordinator shall maintain the signed SWPPP, a copy of the NPDES general permit, signed NOI, acknowledgement letter(s) from the EPA, completed inspection forms, and other NPDES records in a three-ring binder. The erosion control coordinator shall maintain a current copy of the SWPPP, including all associated records and forms, at the job site from the time construction begins until completion of the project. The SWPPP shall be available for public inspection and for use by the Engineer. The erosion control coordinator shall provide copies of any or all of such documents to the Engineer upon request. When requested, such copies shall be provided within three working days of the request.

The SWPPP (including inspection reports) and all data used to complete the NOI and NOT shall be provided to the Department at the completion of the project. The contractor shall retain its own records for a period of at least three years from the filing of the contractor's NOT.

No condition of the NPDES general permit or the SWPPP shall release the contractor from any responsibilities or requirements under other environmental statutes or regulations.

The contractor shall provide copies of the SWPPP upon request to the EPA, U.S. Fish and Wildlife Service, affected local agencies, or operators of affected municipal separate storm sewer systems.

(C) Notice of Intent (NOI):

After the project Storm Water Pollution Prevention Plan (SWPPP) has been approved, the Engineer and contractor will each complete separate Notice-of-Intent (NOI) forms for the project. The NOI submitted by the contractor includes a certification statement which must be signed and dated by an authorized representative of the contractor, as defined in Appendix G, Section 11 of the NPDES General Permit, and include the name and title of that authorized representative. The NOIs shall be submitted to the EPA at one of the following addresses.

For Regular U.S. Mail Delivery:
EPA Storm Water Notice Processing Center
Mail Code 4203M
U.S. EPA
1200 Pennsylvania Avenue, NW
Washington, DC 20460

For Overnight/Express Mail Delivery:
EPA Storm Water Notice Processing Center
Room 7420
U.S. EPA
1201 Constitution Avenue, NW
Washington, DC 20004

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The contractor will be authorized to begin implementation of the approved SWPPP seven calendar days after acknowledgement of receipt of both NOIs is posted on EPA's NPDES website at <http://www.epa.gov/npdes/stormwater/cgp>, and a copy of the contractor's approved NOI, available from the EPA website and indicating an active status, has been provided to the Engineer, unless notified by EPA that additional information, regarding Endangered Species or other issues, is required. Should additional information be required, the contractor is not authorized to begin SWPPP-related work until notice of eligibility is received from the EPA.

NOIs which are not accurate and fully completed will not be posted on the EPA website. No work shall be performed on any project elements affected by the SWPPP until both NOIs have been posted on the EPA website, the seven calendar-day waiting period has elapsed, and a copy of the contractor's approved NOI has been provided to the Engineer, as specified above.

The EPA is also developing a system for electronic submittal of NOIs (eNOI). When available, electronic submittals may be made in accordance with the procedures to be detailed at www.epa.gov/npdes/stormwater/cgp; however the seven calendar-day waiting period shall still apply.

No adjustments to the contract time or costs will be made for the seven calendar-day review period specified above. If the EPA approval process requires more than seven calendar days, the contractor may seek, and the Engineer may grant, a non-compensable extension of time in accordance with the terms of Subsection 108.08. The time extension shall not exceed 14 calendar days.

In addition, for submittals of NOIs through one of the mail options, a notification letter from the EPA Storm Water Notice Processing Center will also be sent acknowledging receipt of the complete NOIs. For NOIs submitted electronically, a return e-mail will be sent. The contractor shall keep all such acknowledgments with the approved SWPPP, as specified in Subsection 104.09(B).

The contractor shall post a sign or other notice near the entrance to the construction site containing completed copies of both NOIs and other information as required in the NPDES general permit.

For projects located on the White Mountain Apache Reservation, copies of both NOIs shall also be submitted to:

Tribal Environmental Planning Office
P.O. Box 2109
Whiteriver, AZ 85941

If there is a potential to discharge into a municipal separate storm sewer system (MS4), the NOI shall identify the waterbody into which that portion of the storm sewer discharges.

(D) Contractor's Erosion and Pollution Control Coordinator:

(1) General Requirements:

The contractor shall designate a competent person as the contractor's erosion and pollution control coordinator (referred to elsewhere herein as erosion control coordinator) responsible for finalizing the draft SWPPP from the preliminary information included with the plans. The erosion control coordinator shall also be responsible for implementing, monitoring, and revising the approved SWPPP throughout the project, for making the required inspections, and for implementing any other permit requirements stipulated in the NPDES general permit. The person shall be knowledgeable in the principles and practice of erosion and sediment controls, and possess the skills to assess conditions at the site that could impact stormwater quality and the effectiveness of the contractor's erosion control measures used to control the quality of the stormwater discharges.

Stormwater runoff from construction activities may contaminate adjacent bodies of water, or otherwise exceed water quality standards, and result in possible major civil and/or criminal penalties. Therefore the Engineer will closely consider the qualifications of the contractor's erosion control coordinator. The contractor shall not assume that the person proposed as erosion control coordinator will be acceptable to the Department merely because the experience and education requirements listed herein have been met.

The contractor bears all risks and liabilities for the failure of its erosion control coordinator to properly implement the requirements of the NPDES general permit.

The person shall be capable of identifying existing and predictable effects of the contractor's operations, and shall have complete authority to direct the contractor's personnel and equipment to implement the requirements described herein, including prompt placement of corrective measures to minimize or eliminate pollution and damage to downstream watercourses. The erosion control coordinator shall also be familiar with procedures and practices identified in the SWPPP, and shall ensure that emergency procedures are up to date and available at project sites.

The erosion control coordinator shall at all times be aware of the contractor's work activities, schedule, and effect of the work on the environment, and shall, at any time, be accessible to direct the contractor's personnel to replace or repair erosion control measures as necessary. Should the erosion control coordinator not be present at the project site on a full-time basis, the contractor shall establish procedures to ensure that its erosion control coordinator is promptly notified of any damage or displacement of the required erosion control measures, whether from construction, vandalism, or other causes. In addition, the contractor shall provide the Engineer with a phone number through which the erosion control coordinator can be contacted at any time, 24 hours a day, seven days a week, including holidays. The erosion control coordinator must be present at the jobsite within 24 hours of such call being placed.

The erosion control coordinator shall also be aware of and comply with all requirements of the NPDES general permit to address discharges at the site associated with the contractor's

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activities other than construction, including contractor staging areas, and other potential pollutant and off-site material storage and borrow areas.

Failure of the contractor to properly maintain the erosion control measures required in the approved SWPPP will be cause for the Engineer to reject the erosion control coordinator and issue a stop work order, as specified in Subsection 104.09(G).

(2) Certification Requirements:

The proposed erosion control coordinator shall have successfully completed the two-day (16 hour) "Erosion Control Coordinator" training class provided by the Associated General Contractors (Arizona Chapter), phone (602) 252-3926. In addition, the proposed erosion control coordinator shall have documented experience equal to a minimum of one year from either of the following two categories:

- (a) Experience in the development and implementation of Stormwater Pollution Prevention Plans (SWPPP's), as specified in the NPDES general permit referenced herein, or the Arizona Pollutant Discharge Elimination System (AZPDES) for highway construction projects. The proposed erosion control coordinator's experience shall demonstrate full-time responsibility for directly supervising construction personnel in the installation, monitoring, and maintenance of erosion control items.
- (b) Experience in re-vegetation or restoration of disturbed areas in environments similar to those on the project. Experience in temporary or permanent stabilization of disturbed areas will also be considered. The proposed erosion control coordinator's experience shall demonstrate full-time responsibility for directly supervising personnel in temporary or permanent re-vegetation or restoration of disturbed areas.

The contractor's documentation shall provide details indicating the types of relevant experience, and shall provide the number of months of each type of experience to be considered for approval. Documentation shall also indicate that the proposed erosion control coordinator has completed the "Erosion Control Coordinator" training class prior to consideration for approval.

*** **FOR PROJECTS DEEMED "SENSITIVE" BY ROADSIDE DEVELOPMENT** ***
*** **SECTION, ADD THE FOLLOWING TWO PARAGRAPHS:** ***

The erosion control coordinator shall also meet one of the following requirements:

1. Registration in the State of Arizona as a Landscape Architect, with a minimum of one year of experience in the fields of erosion control or sediment transport.
2. Registration in the State of Arizona as a Professional Engineer with a minimum of one year of experience in the fields of erosion control or sediment transport.

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3. Certification by the International Erosion Control Association (IECA) as a Certified Professional in Erosion and Sediment Control.

To be considered for approval, the contractor's documentation shall include a copy of the proposed erosion control coordinator's certification or registration. Should the proposed erosion control coordinator be a registered Landscape Architect or Professional Engineer in the State of Arizona, the contractor shall also provide documentation indicating the types of relevant experience, and the number of years of each type of experience to be considered for approval.

(3) Acceptance:

The contractor shall submit documentation indicating the qualifications of the proposed erosion control coordinator to the Engineer for approval within seven calendar days of the notice of award of the contract. The Engineer will review the proposed candidate's information within seven calendar days. The contractor may begin development of the draft SWPPP from the preliminary information included with the plans prior to approval of the erosion control coordinator. However no clearing, grubbing, earthwork, or other work elements that, in the opinion of the Engineer, may be subject to the requirements of the NPDES general permit shall be started until the erosion control coordinator has been approved, the SWPPP finalized and implemented, and the NOI's completed and filed, all as specified herein.

(E) "Good Housekeeping" Practices and Requirements:

The SWPPP shall also specify the contractor's "good housekeeping" practices and requirements, including vehicle wash-down areas, onsite and off-site tracking control, protection of equipment storage and maintenance areas, methods to minimize generation of dust, and sweeping of highways and roadways related to hauling activities. The contractor shall show each planned location of service and refueling areas on the SWPPP's site map. Changes to the contractor's "good housekeeping" practices that are related to construction phasing shall also be shown on the SWPPP.

The contractor shall take aggressive actions, considering all conditions, to prevent pollution of streams, lakes, and reservoirs with fuels, oil, bitumens, calcium chloride, fresh Portland cement, fresh Portland cement concrete, raw sewage, muddy water, chemicals or other harmful materials. None of these materials shall be discharged into any channels leading to streams, lakes or reservoirs. The SWPPP shall include the implementation of spill prevention and material management controls and practices to prevent the release of pollutants into stormwater. The SWPPP shall also provide storage procedures for chemicals and construction materials; disposal procedures; cleanup procedures; the contractor's plans for handling such pollutants; and other pollution prevention measures as required.

Machinery service and refueling areas shall be located away from streambeds or washes, and in a manner which prevents discharges into streams or washes.

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Waste materials from blasting, including explosives containers, shall be disposed of off-site in accordance with applicable federal regulations. Other waste materials, such as used cans, oils, machine and equipment parts, paint, hazardous materials, plastic and rubber parts, discarded metals, and building materials, shall be removed from the construction site and disposed of according to applicable state and federal regulations.

Where the contractor's working area encroaches on a running or intermittent stream, barriers shall be constructed and maintained between the working areas and the stream bed adequate to prevent the discharge of any contaminants. The SWPPP shall identify the location of streams that may be affected and the specific types of barriers proposed for protecting these resources.

Unless otherwise approved in writing by the Engineer, fording of running streams with construction equipment will not be permitted; therefore, temporary bridges or other structures shall be used whenever an appreciable number of crossings is necessary.

Temporary bridges or other structures proposed by the contractor shall be designed to accommodate the ten-year storm event if to remain in place for up to a one-year period. If a structure is planned to remain in place for longer than one year, the hydraulic conveyance may be subject to more stringent requirements. The contractor shall be responsible for all permits, authorizations, and environmental clearances that may be necessary to approve the use of such structures. The contractor shall submit the design and all required documentation to the Engineer for approval. The contractor is advised that the review and approval process for such structures could be lengthy. Unless otherwise provided for in the contract, the contractor shall be responsible for all costs associated with the design and construction of such structures. Also, no extension of contract time will be allowed for any review and approval periods, or for the time required to construct temporary bridges.

Mechanical equipment shall not be operated in running streams.

Material which is to be stockpiled or disposed of off-site shall be in accordance with Subsection 107.11.

Streams, lakes and reservoirs shall be cleared of all falsework, piling, debris or other obstructions resulting from the contractor's activities, inadvertently placed thereby or resulting from construction operations, within 24 hours from the time the obstruction was observed.

Spill prevention, containment and counter-measures shall be included in the SWPPP if the volume of project-site fuel in a single container exceeds 660 gallons, or if the total fuel storage volume at any one site exceeds 1,320 gallons.

In the event of a spill of a hazardous material, the contractor shall follow the provisions of Subsection 107.07. In addition, the erosion control coordinator shall notify the National Response Center (NRC) at 800-424-8802 as soon as the discharge is noted, and modify the SWPPP as necessary within 7 calendar days of the discharge. The SWPPP shall be

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modified to include a description of the release, the circumstances leading to the release, and the date of the release.

The contractor shall assist in any efforts to clean up hazardous material spills, as directed by the Engineer or other authorities. Soil contaminated from spills shall be disposed of according to applicable state and federal regulations.

(F) Inspections:

(1) General:

The Engineer and the erosion control coordinator shall inspect the project at least every 14 calendar days, and also within 24 hours after any storm event of 0.50 inches or more. The inspections shall include disturbed areas that have been temporarily stabilized, areas used for storage of materials, locations where vehicles enter or exit the site, and all of the erosion and sediment controls included in the SWPPP. The contractor shall monitor rainfall on the site with a commercially manufactured rain gauge accurate to within 0.10 inches of rain. Rainfall records shall be submitted to the Engineer on a weekly basis.

For each inspection, the contractor's erosion control coordinator shall document the inspections and sign the report as specified in the NPDES general permit. Copies of the completed reports shall be retained with the SWPPP for at least three years from the date of filing of the project Notice of Termination (NOT). The contractor shall also provide a copy of the report to the Engineer following each inspection.

All inspections shall be made jointly with the Engineer.

(2) Adjustments:

When deficiencies are noted during scheduled inspections, the contractor shall take immediate steps to make the required corrections as soon as practical. Deficiencies shall be fully corrected, to the satisfaction of the Engineer, within four calendar days or by the next anticipated storm event, whichever is sooner. Deficiencies noted between designated inspections shall be corrected within the time period directed by the Engineer, but not later than four calendar days after observation.

Direct inflows of sediment into a watercourse shall be corrected by the end of the same day or work shift in which the inflow as observed.

In accordance with Subsection 104.09(G), failure to implement adjustments within the specified time periods may be cause for the Engineer to reject the contractor's erosion control coordinator and issue a stop work order for the affected portions of the project.

(G) Non-Compliance:

The Engineer may reject the contractor's erosion control coordinator if, in the opinion of the Engineer, the conditions of the NPDES general permit or the approved SWPPP are not

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being fulfilled. Rejection of the contractor's erosion control coordinator shall be for failure to complete any of the following:

- (1) Should the Engineer determine that the SWPPP is not being properly implemented, the contractor will be notified in writing of such deficiencies. The contractor's erosion control coordinator shall fully implement, to the satisfaction of the Engineer, the requirements of the approved SWPPP within three working days.
- (2) Should any corrective measures required in Subsection 104.09(F)(2) not be completed within the time periods specified therein, the Engineer will notify the contractor in writing. The contractor's erosion control coordinator shall complete all required corrective measures within two calendar days of such notification, except that direct inflows of sediment into a watercourse shall be corrected within 24 hours.
- (3) Should the Engineer determine that routine maintenance of the project's erosion control measures is not being adequately performed, the contractor will be notified in writing. Within three working days, the contractor's erosion control coordinator shall demonstrate, to the satisfaction of the Engineer, that such steps have been taken to correct the problem.

In the event of the erosion control coordinator's failure to comply with any of the above requirements, the Engineer will direct the contractor to stop all affected work and propose a new erosion control coordinator as soon as possible. However, all erosion and pollution control items specified in the SWPPP shall be maintained at all times. No additional work on construction items affected by the SWPPP will be allowed until a new erosion control coordinator has been approved by the Engineer. The contractor will not be allowed compensation or an extension of contract time for any delays to the work because of the failure of the contractor's erosion control coordinator to properly fulfill the requirements of the approved SWPPP.

(H) Record of Major Construction And Erosion Control Measures:

The contractor shall keep records of the major construction activities, including the erosion control measures associated with these activities. In particular, the contractor shall keep a record of the following activities:

- The dates when major grading activities (including clearing and grubbing, excavation and embankment construction) occur in a particular area or portion of the site.
- The dates when construction activities cease in an area, temporarily or permanently.
- The dates when an area is stabilized, temporarily or permanently.

Such information shall be noted within two working days of the occurrence of any of the listed activities, and a copy of the report shall be included in the SWPPP. The contractor shall also provide one copy of such records, and any subsequent up-dated information, to the Engineer within three working days of completion or amendment of the report.

(I) Notice of Termination (NOT):

Upon final acceptance by the Engineer in accordance with Subsection 105.20, and as specified herein, the contractor shall complete and mail a Notice-of-Termination (NOT) for the project to one of the addresses shown below. The NOT submitted by the contractor includes a certification statement which must be signed and dated by an authorized representative of the contractor, as defined in Appendix G, Section 11 of the NPDES General Permit, and include the name and title of that authorized representative.

For Regular U.S. Mail Delivery:

EPA Storm Water Notice Processing Center
Mail Code 4203M

U.S. EPA

1200 Pennsylvania Avenue, NW
Washington, DC 20460

For Overnight/Express Mail Delivery:

EPA Storm Water Notice Processing Center
Room 7420

U.S. EPA

1201 Constitution Avenue, NW
Washington, DC 20004

When available, NOTs may also be submitted using EPA's electronic NOT system, to be detailed at www.epa.gov/npdes/stormwater/cgp.

The contractor shall also provide one copy to the Engineer.

When the approved SWPPP includes the use of Class II seeding as an erosion control measure, seeded areas shall be maintained for 45 calendar days, as specified in the special provisions, and approved by the Engineer before the contractor's NOT can be submitted. Seeding, when used in the SWPPP as an erosion control measure, will not be considered as part of any Landscape Establishment Phase that may be included with the project.

(J) Measurement and Payment:

Measurement and payment for work specified in the SWPPP will be made in accordance with the requirements of Section 810. Erosion control and pollution prevention work specified in the contract which is to be accomplished under any of the other various contract items will be paid for as specified under those items.

If a force account pay item for erosion control is included in the bidding schedule, the contractor may be reimbursed for such additional erosion control items proposed by the contractor but not included with the plans or specifications. Such additional erosion control items must be approved in writing by the Engineer before use. Erosion control items approved by the Engineer will be paid in accordance with Subsection 109.04(D). No measurement or payment will be made for such additional items not approved by the Engineer.

No measurement or payment will be made to the contractor for time spent in preparing, reviewing, and revising the Storm Water Pollution Prevention Plan (SWPPP), or providing other required documentation, the cost being considered as included in the price of contract items. No measurement or payment will be made for inspections, the contractor's erosion

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http://www.azdot.gov/highways/cns/CNS_Stored_specs.asp

control coordinator, or the contractor's "good housekeeping" practices and requirements, the costs being considered as included in contract items.

Unless otherwise specified, no measurement or payment will be made for maintenance of temporary and permanent erosion control measures, the cost being considered as included in contract items.

104.10 Contractor's Responsibility for Work: of the Standard Specifications is revised to read:

The contractor shall implement the requirements of the National Pollutant Discharge Elimination System (NPDES) for erosion control due to storm water runoff during construction, as specified above in Subsection 104.09, Prevention of Landscape Defacement; Protection of Streams, Lakes, and Reservoirs.

Until final written acceptance of the project by the Engineer, the contractor shall have the charge and care thereof and shall take every precaution against injury or damage to any part thereof by the action of the elements, or from any other cause, whether arising from the execution or from the nonexecution of the work. The contractor shall rebuild, repair, restore and make good all injuries or damages to any portion of the work occasioned by any of the above causes before final acceptance. No reimbursement shall be made for work necessary due to the contractor's failure to comply with the requirements of the SWPPP.

Except as specifically provided under Subsection 104.04, in case of suspension of work from any cause whatever, the contractor shall be responsible for the project and shall take such precautions as may be necessary to prevent damage to the project and provide for normal drainage. The contractor shall also erect any necessary temporary structures, signs or other facilities. During such period of suspension of work, the contractor shall properly and continuously maintain in an acceptable growing condition all living material in newly established plantings, seedings and soddings, furnished under its contract and shall take adequate precautions to protect new tree growth and other important vegetative growth against injury.